ABSTRACT OF THE DISCLOSURE

A data communication having at least one data flow is established over a wireless interface between a radio network and a user equipment node (UE). A medium access control (MAC) layer located in a radio network node receives data units from a higher radio link control (RLC) layer located in another radio network node. Some or all of a header of a RLC data units associated with the one data flow is analyzed at the MAC layer. Based on that analysis, the MAC layer determines a priority of the data unit relative to other data units associated with the one data flow. The MAC layer schedules transmission of higher priority data units associated with the one data flow before lower priority data units associated with the one data flow. The priority determination does not require extra priority flags or signaling.